

## PATENT APPLICATION

# 7/A  
4-30-02  
J. Antis

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Andrew G. RICKMAN, et al.

Appln. No.: NOT YET ASSIGNED

Confirmation No.: NOT YET ASSIGNED

Group Art Unit: NOT YET ASSIGNED

Filed: November 30, 2001

Examiner: NOT YET ASSIGNED

For: WAVEGUIDE JUNCTION WITH SILICON NITRIDE

## PRELIMINARY AMENDMENT

Commissioner for Patents  
Washington, D.C. 20231

Sir:

Prior to examination, please amend the above-identified application as follows:

IN THE CLAIMS:

Please enter the following amended claims:

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3. A junction structure according to claim 1, wherein the dielectric layer below the further waveguide region is silicon dioxide.
  4. A junction structure according to claim 2, wherein the substrate comprises a layer of silicon dioxide and a layer of silicon.
  5. A junction structure according to any of claim 2, wherein the dielectric layer also extends over the light transmitting semiconductor layer.
  7. A junction structure according to any of claim 2, wherein there is provided an anti-reflective layer over said end face.